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CLAIMS

What is claimed is:

1	1. A method comprising:	
2	determining an interval difference for an instance of a module on a carousel;	
3	applying a function to the interval difference to determine a result for the instance; and	
4	adding the result for the instance to a sum.	
1	2. The method of claim 1, further comprising:	
2	determining an interval difference for each remaining instance of the module;	
3 -	applying the function to the interval difference for each remaining instance to determine	
4	result for each remaining instance; and	
5	adding the result for each remaining instance to the sum.	
1	3. The method of claim 2, further comprising:	
2	determining an interval difference for each instance of each remaining module on the	
3	carousel;	
4	applying the function to the interval difference for each instance of each remaining	
5	module to determine a result for each instance of each remaining module; and	
6	adding the result for each instance of each remaining module to the sum	

- 1 4. The method of claim 1, further comprising:
- 2 adding a penalty term to the sum in response to an actual interval of the instance equaling
- 3 one; and
- 4 adding a penalty term to the sum in response to an actual interval of the instance equaling
- 5 negative one.
- 1 5. The method of claim 1, further comprising determining an absolute value
- 2 of the interval difference to determine the result for the instance.
- 1 6. The method of claim 1, further comprising determining a square of the
- 2 interval difference to determine the result for the instance.
- The method of claim 1, further comprising:
- 2 determining a square of the interval difference;
- 3 adding one to the square of the interval difference to determine a number; and
- 4 determining a Logarithmic of the number to determine the result for the instance.

1 8.	A method comprising:
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- 2 setting a sum variable to zero;
- 3 selecting a module of a carousel;
- 4 selecting an instance of the selected module;
- 5 determining an interval difference of the selected instance;
- 6 applying a function to the interval difference of the selected instance to determine a result
- 7 for the selected instance; and
- 8 adding the result for the selected instance to the sum.
- 1 9. The method of claim 8, further comprising:
- 2 selecting a second instance of the selected module;
- 3 determining an interval difference of the second instance;
- 4 applying the function to the interval difference of the second instance to determine a
- 5 result for the second instance; and
- 6 adding the result for the second instance to the sum.

- 1 10. The method of claim 8, further comprising:
 2 selecting a second module of the carousel;
- 3 selecting an instance of the second module;
- 4 determining an interval difference of the selected instance of the second module;
- 5 applying the function to the interval difference of the selected instance to determine a
- 6 result for the selected instance of the second module; and
- 7 adding the result for the selected instance of the second module to the sum.
- 1 11. The method of claim 8, further comprising:
- 2 adding a penalty term to the sum when an actual interval of the selected instance equals
- 3 one; and
- 4 adding a penalty term to the sum when an actual interval of the selected instance equals
- 5 negative one.
- 1 12. The method of claim 8, further comprising determining an absolute value
- 2 of the interval difference to determine the result for the selected instance.
- 1 13. The method of claim 8, further comprising determining a square of the
- 2 interval difference to determine the result for the selected instance.

- 1 14. The method of claim 8, further comprising:
- 2 determining a square of the interval difference;
- 3 adding one to the square of the interval difference to determine a number; and
- 4 determining a Logarithmic of the number to determine the result for the selected instance.
- 1 15. A method comprising:
- 2 providing a plurality of modules, at least one module of the plurality of modules having
- 3 at least two instances;
- 4 generating a first module schedule for the plurality of modules;
- 5 determining a first goodness metric for the first module schedule;
- 6 generating at least a second module schedule for the plurality of modules;
- 7 determining a second goodness metric for the second module schedule;
- 8 selecting one of the first module schedule and the second module schedule in response to
- 9 the first and second goodness metrics; and
- 10 encapsulating a carousel exhibiting the selected module schedule into a transmission.
- 1 16. The method of claim 15, further comprising:
- 2 determining which of the first and second goodness metrics is an optimum goodness
- 3 metric; and
- 4 selecting one of the first module schedule and the second module schedule corresponding
- 5 to the optimum goodness metric.

- 1 17. The method of claim 16, the optimum goodness metric corresponding to a lowest goodness metric.
- 1 18. A method comprising:
- 2 providing a plurality of modules, at least one module of the plurality of modules having
- 3 at least two instances;
- 4 generating a plurality of module schedules for the plurality of modules; and
- 5 determining a goodness metric for each module schedule of the plurality of modules
- 6 schedules.
- 1 19. The method of claim 18, further comprising identifying at least one
- 2 module schedule of the plurality of module schedules having an optimum goodness
- 3 metric.
- 1 20. The method of claim 19, the optimum goodness metric corresponding to a
- 2 lowest goodness metric.
- 1 21. The method of claim 19, further comprising providing said at least one
- 2 module schedule to an insertion device for encapsulation into a transmission.

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1	22. An article of manufacture comprising:
2	a machine accessible medium, the machine accessible medium providing instructions
3	that, when executed by a machine, cause the machine to
4	determine an interval difference for an instance of a module on a carousel;
5	apply a function to the interval difference to determine a result for the instance;
6	and
7	add the result for the instance to a sum.
1	23. The article of manufacture of claim 22, wherein the instructions, when
2	executed, further cause the machine to:
3	determine an interval difference for each remaining instance of the module;
4	apply the function to the interval difference for each remaining instance to determine a
5	result for each remaining instance; and
6	add the result for each remaining instance to the sum.
1	24. The article of manufacture of claim 23, wherein the instructions, when
2	executed, further cause the machine to:
3	determine an interval difference for each instance of each remaining module on the
4	carousel;

apply the function to the interval difference for each instance of each remaining module

to determine a result for each instance of each remaining module; and

add the result for each instance of each remaining module to the sum.

- 1 25. The article of manufacture of claim 22, wherein the instructions, when 2 executed, further cause the machine to:
- 3 add a penalty term to the sum in response to an actual interval of the instance equaling
- 4 one; and
- 5 add a penalty term to the sum in response to an actual interval of the instance equaling
- 6 negative one.
- 1 26. The article of manufacture of claim 22, wherein the instructions, when
- 2 executed, further cause the machine to determine an absolute value of the interval
- 3 difference to determine the result for the instance.
- 1 27. The article of manufacture of claim 22, wherein the instructions, when
- 2 executed, further cause the machine to determine a square of the interval to determine the
- 3 result for the instance.
- 1 28. The article of manufacture of claim 22, wherein the instructions, when
- 2 executed, further cause the machine to:
- 3 determine a square of the interval difference;
- 4 add one to the square of the interval difference to determine a number; and
- 5 determine a Logarithmic of the number to determine the result for the instance.

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1	29. An article of manufacture comprising:
2	a machine accessible medium, the machine accessible medium providing instructions
3	that, when executed by a machine, cause the machine to
4	set a sum variable to zero;
5	select a module of a carousel;
6	select an instance of the selected module;
7	determine an interval difference of the selected instance;
8	apply a function to the interval difference of the selected instance to determine a
9	result for the selected instance; and
10	add the result for the selected instance to the sum.
1	30. The article of manufacture of claim 29, wherein the instructions, when
2	executed, further cause the machine to:
3	select a second instance of the selected module;
4	determine an interval difference of the second instance;
5	apply the function to the interval difference of the second instance to determine a result
6	for the second instance; and

add the result for the second instance to the sum.

1 31. The article of manufacture of claim 29, wherein the instructions, whe	'n
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- 2 executed, further cause the machine to:
- 3 select a second module of the carousel;
- 4 select an instance of the second module;
- 5 determine an interval difference of the selected instance of the second module;
- 6 apply the function to the interval difference of the selected instance to determine a result
- 7 for the selected instance of the second module; and
- 8 add the result for the selected instance of the second module to the sum.
- 1 32. The article of manufacture of claim 29, wherein the instructions, when
- 2 executed, further cause the machine to:
- add a penalty term to the sum when an actual interval of the selected instance equals one;
- 4 and
- 5 add a penalty term to the sum when an actual interval of the selected instance equals
- 6 negative one.

- 1 33. The article of manufacture of claim 29, wherein the instructions, when
- 2 executed, further cause the machine to determine an absolute value of the interval
- 3 difference to determine the result for the selected instance.
- 1 34. The article of manufacture of claim 29, wherein the instructions, when
- 2 executed, further cause the machine to determine a square of the interval difference to
- 3 determine the result for the selected instance.
- The article of manufacture of claim 29, wherein the instructions, when
- 2 executed, further cause the machine to:
- 3 determine a square of the interval difference;
- 4 add one to the square of the interval difference to determine a number; and
- 5 determine a Logarithmic of the number to determine the result for the selected instance.

1	36. An article of manufacture comprising:
2	a machine accessible medium, the machine accessible medium providing instructions
3	that, when executed by a machine, cause the machine to
4	provide a plurality of modules, at least one module of the plurality of modules
5	having at least two instances;
6	generate a first module schedule for the plurality of modules;
7	determine a first goodness metric for the first module schedule;
8	generate at least a second module schedule for the plurality of modules;
9	determine a second goodness metric for the second module schedule;
10	select one of the first module schedule and the second module schedule in
11	response to the first and second goodness metrics; and
12	encapsulate a carousel exhibiting the selected module schedule into a
13	transmission.
1	37. The article of manufacture of claim 36, wherein the instructions, when
2	executed, further cause the machine to:
3	determine which of the first and second goodness metrics is an optimum goodness
4	metric; and
5	select one of the first module schedule and the second module schedule corresponding to
6	the optimum goodness metric.

- 1 38. The article of manufacture of claim 36, the optimum goodness metric corresponding to a lowest goodness metric.
- 1 39. An article of manufacture comprising:
- 2 a machine accessible medium, the machine accessible medium providing instructions
- 3 that, when executed by a machine, cause the machine to
- 4 provide a plurality of modules, at least one module of the plurality of modules
- 5 having at least two instances;
- 6 generate a plurality of module schedules for the plurality of modules; and
- determine a goodness metric for each module schedule of the plurality of modules
- 8 schedules.
- 1 40. The article of manufacture of claim 39, wherein the instructions, when
- 2 executed, further cause the machine to identify at least one module schedule of the
- 3 plurality of module schedules having an optimum goodness metric.
- 1 41. The article of manufacture of claim 40, the optimum goodness metric
- 2 corresponding to a lowest goodness metric.
- 1 42. The article of manufacture of claim 40, wherein the instructions, when
- 2 executed, further cause the machine to provide said at least one module schedule to an
- 3 insertion device for encapsulation into a transmission.